

Work Order ID 63999

Tuesday, November 23, 2010 9:26:23 AM



Page 1

Item ID: D2438	Accept		Setup	Start	
Revision ID:					
Item Name: Clamp				Stop	
Start Date: 11/22/2010	Start Qty: 100.00				
Required Date: 11/30/2010	Req'd Qty: 100.00				
Reference:					

Approvals:	Process Plan: <u>CL</u>	Date: <u>10/11/23</u>	Tooling:	Date:	Run	Start	
	QC:	Date:	SPC (Y/N):	Date:		Stop	

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr								
D2438	Rev C								

100		0.00							
	PURCHASING								
Purchasing	Memo	0.00							
Purchasing	Issue P/O: <u>12988</u>								
	<input type="checkbox"/> Laser cut as per Dwg D2438 <input type="checkbox"/> Material release note is required								

CL 10/11/23 (100)

110		0.00							
	Receive & Inspect for Damage & Mat'l Certs								
Packaging	Memo	0.00							
Packaging	Ensure Material Release Note is attached								

10/12/17 (98)
10/12/17 (2)

120		0.00							
	QC6- Inspect dimensions to drawing								
QC	Memo	0.00							
Quality Control	(6.786" center to center)								

8/10/12/14
8/10/12/20

count
(X98)
(42)
count
1100
Total

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 63999

Tuesday, November 23, 2010 9:26:23 AM



Page 2

Item ID: D2438

Accept



Setup Start



Revision ID:

Stop



Item Name: Clamp

Start Date: 11/22/2010 Start Qty: 100.00



Cust Item ID:

Required Date: 11/30/2010 Req'd Qty: 100.00



Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start



QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

130

0.00



Small Fab

Small Fab

Memo

0.00

Small Fab

Tumble & Deburr any rough edges

140

0.00



QC5- Inspect part completeness to step on W/O

QC

Memo

0.00

Quality Control

150

0.00

Identify as per dwg & Stock Location 356

Packaging

Memo

0.00

Packaging

11/23/2010 20:51 100

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 63999

Tuesday, November 23, 2010 9:26:23 AM

Page 3

Item ID: D2438

Accept

Revision ID:

Item Name: Clamp

Start Date: 11/22/2010 Start Qty: 100.00

Required Date: 11/30/2010 Req'd Qty: 100.00

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Run

Start

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

160

QC21- Final Inspection - Work Order Release

0.00

QC

Memo

0.00

Quality Control

10/12/21 *[Signature]*
ME
10-12-21

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Tuesday, November 23, 2010 9:26:26 AM

Page 1

Work Order ID: 63999



Parent Item: D2438



Parent Item Name: Clamp


Start Date: 11/23/2010

Required Date: 11/30/2010

Start Qty: 100.00

Required Qty: 100.00

Comments: IPP: E005.06.28 Bending removed KJ/JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D2438B  Clamp		Purchased	No			110	Each	0.0000	1	100		11/24/10	(100)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

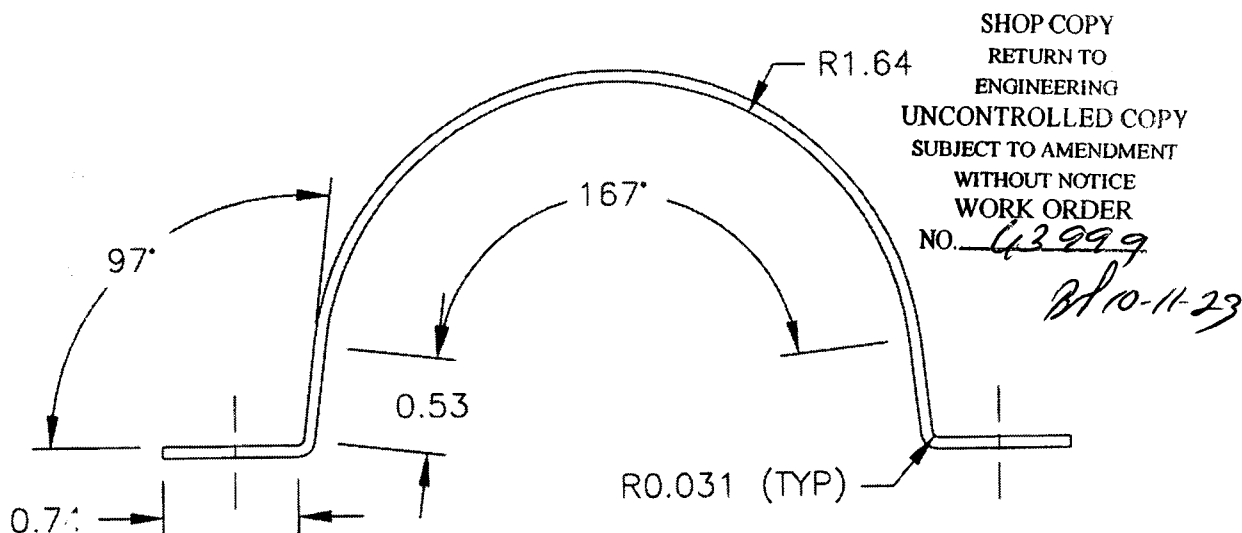
NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries



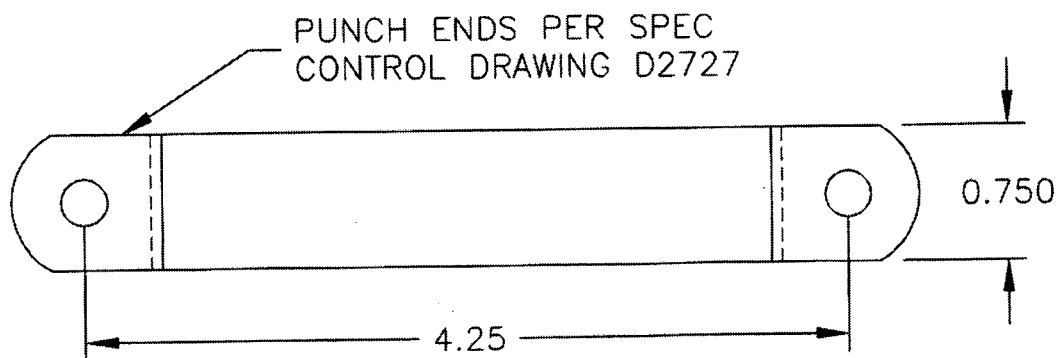
DESIGN <i>KE</i>	DRAWN BY <i>KE</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>MD</i>	APPROVED <i>Q</i>	DRAWING NO. D2438	REV. C SHEET 1 OF 1
DATE 98.05.12		TITLE CLAMP	SCALE 1:1
A	96.01.24	NEW ISSUE	
B	96.05.13	CHANGE LENGTH	
C	98.05.12	R1.64 WAS R1.438, CHANGE GEOMETRY	

RELEASED
98.06.17 KE



SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. *63999*

BT 10-11-23



FLAT LENGTH: 7.586 END-END
6.786 HOLE-HOLE

MATERIAL: AISI 304/316 SS 0.063 THICK

MINIMUM REQUIREMENT IS ANNEALED CONDITION

00.06.06
CP *00.06.07*

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 304/316 SS SHEET
ANNEALED
2B FINISH

SPECIFICATION: MIL-S-5059
OR AMS 5513 (304)
OR AMS 5524 (316)
OR ASTM A240
OR ASME SA240

PART NUMBER: M304S TT GA
GA

WHERE "TT" = GAUGE THICKNESS

EG. 16 GAUGE SS SHEET = M304S16GA

GAUGE THICKNESS REFERENCE:

GAUGE	NOM. THICK. (IN)	THICKNESS RANGE (IN)
26	0.01875	0.0178 - 0.019
25	0.021875	0.0199 - 0.023
24	0.025	0.024 - 0.026
23	0.028125	0.027 - 0.029
22	0.03125	0.030 - 0.032
21	0.034375	0.033 - 0.035
20	0.0375	0.036 - 0.040
19	0.04375	0.041 - 0.046
18	0.050	0.047 - 0.052
17	0.05625	0.053 - 0.058
16	0.0625	0.059 - 0.065
15	0.0703125	0.066 - 0.072
14	0.078125	0.073 - 0.083
13	0.09375	0.084 - 0.098
12	0.109375	0.099 - 0.114
11	0.125	0.115 - 0.130
10	0.140625	0.131 - 0.145
9	0.15625	0.146 - 0.160
8	0.171875	0.161 - 0.176

REFERENCE ONLY

RELEASED
09/06/01

B	REFORMAT DWG, ADD ASTM/ASME SPECS (ZN D8-1), ADD GAUGE REF (C8-1), REF PAR 08-020A	CP	09.06.01
A	NEW ISSUE	DS	01.09.24
REV.	DESCRIPTION	BY	DATE
DESIGN		DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA DRAWING NO. M304S TITLE 304/316 SS SHEET SCALE NTS	
DRAWN			
CHECKED			
MFG. APPR.			
DE APPR.			
DATE	09.06.01	COPYRIGHT © 2001 BY DART AEROSPACE LTD <small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR REPRODUCED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO12988**

Purchase Order Date 11/23/10

PO Print Date 11/23/10

Page Number 1 of 1

Order From :

VC-GFI001

GFI
180 AVENUE LABROSSE
POINTE CLAIRE, QC H9R 1A1
CA

Contact Name

Vendor Phone

514 630 4877

Vendor Fax

514 630 4849

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

Ship To :

DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

FAKED
C2010123

e-mail Pedro

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	D2438B	Clamp	12/08/10 Yes	100.00 Each	Purolator ground	\$10.0000	\$1,000.00

Special Inst: AS PER DWG D2438 REV. C
B63999

PO Total:

\$1,000.00

CERTIFICATE OF CONFORMITY
REQ'D UPON DELIVERY

MATERIAL CERTIFICATION
REQ'D UPON DELIVERY

Change Nbr: 1

Change Date: 11/23/10

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

CERTIFICATE OF COMPLIANCE
CERTIFICAT DE CONFORMITE



Membre de / A Member of **Thomas & Betts**

180 LABROSSE AVENUE
POINTE CLAIRE, QC
H9R 1A1

DART AEROSPACE LTD
1270 ABERDEEN ST.
HAWKESBURY, ON K6A 1K7

CERTIFICATE NO.	27	OUR JOB NO	J0223680	SHIPPING MEMO	0451608	
ITEM	QUANTITY	PURCHASE ORDER	PART NUMBER	REV	NAME	DWG ISSUE
--	100 PCS	PO12988	D2438B	C	CLAMP	C
MATERIAL		SUPPLIED BY		MAT. REL. NO.		
S.S.T 304		TW METALS / ALLEGHENY LUDLUM		976601		
PROCESS		PROCESSOR		RELEASE NOTE #		
1	FIRST ARTICLE INSPECTION REPORT ON FILE		GFI	N/A		
2	REF. GFI MANUFACTURING JOB NUMBER J0223680-001 (100 PCS)					
3						
4						
5						
6						
7						
8						
9						

WE HEREBY CERTIFY ALL THE PARTS COVERED BY THIS CERTIFICATE HAVE BEEN MANUFACTURED FROM MATERIAL SUPPLIED ON RELEASE NOTE SHOWN ABOVE AND THAT ALL PARTS HAVE BEEN INDIVIDUALLY INSPECTED AND CONFORM TO THE DRAWINGS AND PURCHASE ORDER REFERENCED ABOVE.

DATE 06 DECEMBER 2010

G.F.I. Q.C. REP.

Robert H. [Signature]
GFI
ISO 9001
2008



180 AVENUE LABROSSE
POINTE-CLAIRE, QC, CANADA H9R 1A1
TÉL.:(514) 630-4877 - FAX:(514) 630-4849

GFI est une division de Thomas & Betts Fabrication Inc. / GFI is a division of Thomas & Betts Manufacturing Inc.



BON DE LIVRAISON / SHIPPING MEMO

DATE DE LIVRAISON / SHIPPING DATE			N° DE BON DE LIVRAISON / SHIPPING MEMO NO.		PAGE
JR - DY	MO - MO	AN - YR			
06	12	10	0451608		i/i




VENDU À / SOLD TO

EXPÉDIÉ À / SHIP TO

DART AEROSPACE LTD
1270 ABERDEEN ST.
HAWKESBURY, ON
K6A 1K7

DART AEROSPACE LTD
1270 ABERDEEN ST.
HAWKESBURY, ON
K6A 1K7

CODE DE CLIENT / CUSTOMER CODE		N° DE CONTRAT / JOB NO	VOTRE N° DE COMMANDE / YOUR PURCHASE ORDER NO	EXPÉDIÉ PAR / SHIP VIA
DART GFI-0299		0223680	PO12988	

QUANTITÉ / QUANTITY	N° DE PIÈCE / PART NO	DESCRIPTION
100	D2438B	CLAMP CUT&FORMED CERTIFICATE OF CONFORMANCE REQ
MFG. JOB# <u>JO 223680-001</u> QTY <u>100</u> <u>Dart</u> 		

EXPÉDITEUR / SHIPPER	N° DE BON DE LIVRAISON / SHIPPING MEMO NO.



REÇU PAR / RECEIVED BY

DATE

TOUTES LES RÉCLAMATIONS DOIVENT ÊTRE FAITES EN DEDANS DE 5 JOURS DE LA RÉCEPTION
ALL CLAIMS MUST BE MADE WITHIN 5 DAYS OF RECEIPT OF GOODS.

DP12-001 REV 0 Bombardier Certificate of Compliance
TW Metals District Procedure

Revision 0

Revision Date 04-03-00

Superseding Initial

Page 1 of 1

CERTIFICATE OF COMPLIANCE

FRAUD AND FALSIFICATION STATEMENT

The recording of false, fictitious, or fraudulent statements or entries on this document may be punished as a felony under federal statutes including federal law Title 18 chapter 47

CERTIFICATE OF COMPLIANCE

This certificate of compliance certifies that the material supplied on the purchase order number below complies in all respects with the material description and procurement specifications

MERCURY FREE STATEMENT

We certify that mercury, radium, or alpha bearing instruments and / or equipment which might cause contamination have not been used in the manufacture, fabrication, assembly or testing of any material supplied by TW Metals Inc. Switches, glass thermometers, standard cell and other items containing the above elements may be used, but they will be located so as not to constitute a contamination hazard

CUSTOMER NAME

GFI

PURCHASE ORDER No

0077565

ITEM No

0001

SHIPPER INVOICE No

D3269420

MATERIAL

304-S/S Sheet

SPECIFICATION

ASTM A240 ←

MANUFACTURING MILL

ATI Allegheny Ludlum

SIZE

.0625 +/- .004"

HEAT / LOT No

976601

PART No

TS063481209A

QUANTITY

1EA

TEST DEPARTMENT CLERK

Amy Davis

AUTHORITY

Joe Schab

Director of Quality Assurance

NOTICE OF SHIPMENT/
PACKING LIST



CERTIFICATE OF TEST AL 6168-3 908

CUST ORD NO & DATE: M49228512
 CUST CODE: 03/30/10 974093
 SHIP TO: 1
 SPEC: 1
 SOLD TO: TW METALS INC
 PO BOX 644
 EXTON PA 19341
 ACCEPTING MILL: VANDERGRIFF, PA.
 SHIPPER NO: 456967
 GOVT CONTRACT: 13020102060000
 PRODUCT CODE: 130-030-692
 MILL ORDER NUMBER: 30-030-692
 DATE SHIPPED: 05/24/10
 SHIPPING LOCATION: PA
 INVOICE: 665812
 SHIP TO: 1121 VANDERGRIFF
 SPECIALTY METALS PROCESSING
 837 SEASONS ROAD
 STOW OH 44224

GRADE AND SPECIFICATIONS
 ALLEGHENY STAINLESS STEEL TYPE 304 SHEET C R COILS ANNEALED 2B FIN 3 EDGE (AMS 5513J) (ASTM-A-666-03)
 (ASME-SA-240-07) (ASTM-A-240-09C) (CP49-7.4.2-005 REV 4) (1/07/09 EXCEPT TO CP49-7.4.2-005)

ITEM	PCS	DIMENSIONS W/G/L	HEAT #	COIL #	TEST #	GROSS	TARE	NET	THEO	TAG #/	CD	SKID #
001B	1	48./0625/949.	976601	04200N039A	8770863	9820	50	9770		707401		
	1	48./0625/914.	976601	04200N039B	8770863	9390	50	9340		707400		
C	CUST	IDENTITY 08280										
	2	SKIDS										
						19210	100	19110				

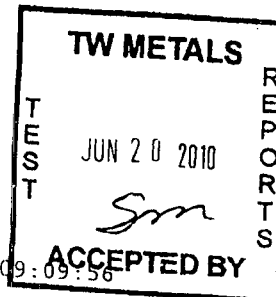
DIST. COPY ACK TO "SOLD TO" ADDRESS, ATTN: ROSEMARY SMITH

TYPE HEAT/TEST
 HEAT 976601
 TEST LOCATION

MI	MI	MI	MI	MI	MI	MI	MI	MI	MI	MI	MI
.04	.92	.033	.0003	.43	18.40	8.06	.30	.44	.08		

ITEM TEST NO	YIELD	TENSILE	% ELONG	% R/A	HARDNESS	BEND	A 262	PR E	SIZE	HARDENABILITY
001B 8770863	PSI *	PSI	IN 2"	NR	85.HRBW	T PASS	PASS	NR	NR	NR
TEST LOCATION	T 46400.	95000.	56.		86.HRBW					
	TC	TC	TC		TC					
ITEM TEST NO	* Y.S. BY 0.2% OFFSET METHOD									
001B 8770863	MELT									
	SOURCE									
	1.									

NR = DATA NOT REQUIRED
 GRADE VERIFICATION WAS CARRIED OUT SPECTROSCOPICALLY
 PAGE 01 - CONTINUED ON PAGE 02



CONSIGNEE - Please Note - This consignment was turned over to carrier in first class condition, being correctly loaded, at which time our responsibility for loss or damage in shipment ceased. For your protection please examine shipment as it arrives. If any shortage or damage is discovered, have a full description made by transportation agent on waybill before signing.

Material Safety Data Sheets for this product have been supplied to your Purchasing Department. For an additional copy phone 724-226-6577. CAUTION: Processing that makes fumes, dust, or solutions may cause lung disease. See Material Safety Data Sheets for further information.

WARNING
 Les fiches d'information-sécurité de ce produit ont été fournies à votre département chargé des achats. Pour obtenir des exemplaires supplémentaires veuillez téléphoner au numéro suivant 724-226-6577. Attention: les bariements entraînant la production de vapeurs, poussières, ou solutions peuvent être cause de maladies pulmonaires. Pour plus de renseignements se référer aux fiches d'information-sécurité.

The above is a true copy of data on file. The material and test results conform to the sales contract and specification(s) as set forth in Allegheny Ludlum's Order Acknowledgement.

Tracy McFarland
 Director, Corporate Quality Assurance

NOTICE OF SHIPMENT/
PACKING LIST



CERTIFICATE OF TEST

AL 6168-3 908

CUST ORD NO & DATE M49228512
FORMS DISTRIBUTION
SOLD TO 1 SHIP TO 1 SPEC TO 1
SOLD TO
TW METALS INC
PO BOX 644
EXTON
PA 19341

CUST CODE 03/30/10 974093
VANDERGRIFT, PA.
REPEAT ORDER 95434-1
DO RATE 38
PRI ORITY
PRIME SEC.
DSO DSO
513

ACCEPTING MILL
SHIPPER NO 456967
GOVT CONTRACT
PRODUCT CODE 13020102060000
MILL ORDER NUMBER 30-030-692
DATE SHIPPED 05/24/10
SHIPPING LOCATION PA 665812
1121 VANDERGRIFT
SHIP TO
SPECIALTY METALS PROCESSING
837 SEASONS ROAD
STOW
OH 44224

GRADE AND SPECIFICATIONS

ALLEGHENY STAINLESS STEEL TYPE 304 SHEET C R COILS ANNEALED 2B FIN 3 EDGE (AMS 5513J) (ASTM-A-666-03)
(ASME-SA-240-07) (ASTM-A-240-09C) (CP49-7.4.2-005 REV 4) (1/07/09 EXCEPT TO CP49-7.4.2-005)

ALLEGHENY LUDLUM DOES NOT USE MERCURY IN THE TESTING OR PRODUCTION OF ITS PRODUCTS. TO THE BEST OF
ALLEGHENY LUDLUMS KNOWLEDGE, UNDERSTANDING, AND BELIEF, THIS MATERIAL WAS NOT CONTAMINATED BY MERCURY
WHILE IT WAS BEING PRODUCED IN OUR FACILITIES.

EQUIPMENT, MATERIALS, TESTING AND SERVICES ARE OF U.S. ORIGIN.

NO WELDS/WELD REPAIRS PERFORMED.

THE NUMERIC CODES SHOWN UNDER MELT SOURCE CAN BE INTERPRETED AS FOLLOWS:

1. - MATERIAL MELTED, ROLLED AND TESTED IN THE UNITED STATES.
2. - FOREIGN MELT; ROLLED AND TESTED IN THE UNITED STATES.

THIS DIN EN 10204:2005 - 3.1 CERTIFICATE OF TEST SHALL NOT BE REPRODUCED EXCEPT IN FULL. FEDERAL LAW
PROHIBITS THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE
AND MAY BE PUNISHABLE AS A FELONY UNDER FEDERAL LAW. MATERIAL WAS MANUFACTURED IN ACCORDANCE WITH THE
ALC QUALITY MANUAL REVISION 18 DATED 08/05/2009. ALC HOLDS SEVERAL QUALITY CERTIFICATIONS THAT INCLUDE
ISO-9001 AND AS9100. TESTING WAS PERFORMED AT ALC NADCAP AND ISO/IEC 17025 APPROVED LABORATORIES
LOCATED AT THE NATRONA HEIGHTS, BRACKENRIDGE, LATROBE, AND MIDLAND, PA FACILITIES OR AT A NADCAP
AND ISO/IEC 17025 ACCREDITED COMMERCIAL LABORATORY.

DIN EN 10204:2005 - 3.1 CERTIFICATE DOES NOT INDICATE PED APPROVAL FOR THIS MATERIAL.

PAGE 02 - CONTINUED ON PAGE 03

CONSIGNEE: Please Note-This consignment was turned over to carrier in first class condition, being correctly loaded, at which time our responsibility for loss or damage in shipment ceased. For your protection please examine shipment as it arrives. If any shortage or damage is discovered, have a full description made by transportation agent on waybill before signing.

Material Safety Data Sheets for this product have been supplied to your Purchasing Department. For an additional copy phone 724-226-6577. CAUTION: Processing that makes fumes, dust, or solutions may cause lung disease. See Material Safety Data Sheets for further information.

WARNING

Les fiches d'information-sécurité de ce produit ont été fournies à votre département chargé des achats. Pour obtenir des exemplaires supplémentaires veuillez téléphoner au numéro suivant 724-226-6577. Attention: Les traitements entraînant la production de vapeurs, poussières, ou solutions peuvent être cause de maladies pulmonaires. Pour plus de renseignements se référer aux fiches d'information-sécurité.

The above is a true copy of data on file. The material and test results conform to the sales contract and the applicable specification.

Tracy McFarland
Director, Corporate Quality Assurance

TW METALS
REPORTS
TEST
JUN 20 2010
05/24/10 09:09:56
ACCEPTED BY
Tracy McFarland

NOTICE OF SHIPMENT/
PACKING LIST



CERTIFICATE OF TEST

AL 6168-3 908

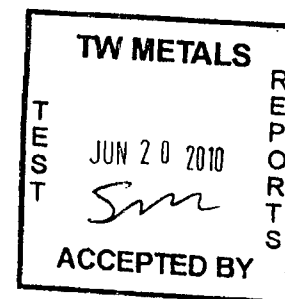
CUST ORD. NO & DATE M49228512		CUST CODE 03/30/10 974093		SHIPPER NO. 456967		PRODUCT CODE 13020102060000		MILL ORDER NUMBER 30-030-692		DATE SHIPPED 05/24/10	
FORMS DISTRIBUTION SOLD TO TW METALS INC PO BOX 644 EXTON PA 19341		VANDERGRIFF, PA. REPEAT ORDER 95434-1 PRIME DSO 513		GOVT CONTRACT 1121 SHIP TO SPECIALTY METALS PROCESSING 837 SEASONS ROAD STOW OH 44224		SHIPPING LOCATION VANDERGRIFF PA		INVOICE 665812			

GRADE AND SPECIFICATIONS
ALLEGHENY STAINLESS STEEL TYPE 304 SHEET C R COILS ANNEALED 2B FIN 3 EDGE (AMS 5513J) (ASTM-A-666-03)
(ASME-SA-240-07) (ASTM-A-240-09C) (CP49-7.4.2-005 REV 4) (1/07/09 EXCEPT TO CP49-7.4.2-005)

ALLEGHENY LUDLUM PERFORMS CHEMICAL ANALYSIS BY THE FOLLOWING TECHNIQUES:
C, S BY COMBUSTION/INFRARED
N, O, H BY INERT FUSION/THERMAL CONDUCTIVITY
MN, P, SI, CR, NI, MO, CU, CB, CO, V BY WDXRF
B BY OES
AL AND TI (>=0.10%) BY WDXRF, OTHERWISE BY OES
PB, BI, AG BY GFAA

TESTING WAS PERFORMED AT THE FOLLOWING LOCATIONS:
MI = ATI-ALLEGHENY LUDLUM; 950 TENTH STREET; MIDLAND, PA 15059
TC = ATI-ALLEGHENY LUDLUM; 1300 PACIFIC AVENUE; NATRONA HEIGHTS, PA 15065

FOR ACCESS TO ONLINE CERTIFICATES OF TEST
REGISTER AT WWW.ALCEXTRA.COM



PAGE 03 - FINAL PAGE.

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The above is a true copy of data on file. The material and test results conform to the sales contract and specification(s) as set forth in Allegheny Ludlum's Order Acknowledgement.

Tracy McFarland
Director, Corporate Quality Assurance



180 AVENUE LABROSSE
POINTE-CLAIRE, QC, CANADA H9R 1A1
TÉL.:(514) 630-4877 - FAX:(514) 630-4849

GFI est une division de Thomas & Betts Fabrication Inc. / GFI is a division of Thomas & Betts Manufacturing Inc.



BON DE LIVRAISON / SHIPPING MEMO

DATE DE LIVRAISON / SHIPPING DATE			N° DE BON DE LIVRAISON / SHIPPING MEMO NO.	PAGE
JR - DY	MO - MO	AN - YR		
06	12	10	0451608	1/1



VENDU À / SOLD TO

EXPÉDIÉ À / SHIP TO

DART AEROSPACE LTD
1270 ABERDEEN ST.
HAWKESBURY, ON
K6A 1K7

DART AEROSPACE LTD
1270 ABERDEEN ST.
HAWKESBURY, ON
K6A 1K7

CODE DE CLIENT / CUSTOMER CODE	N° DE CONTRAT / JOB NO.	VOTRE N° DE COMMANDE / YOUR PURCHASE ORDER NO.	EXPÉDIÉ PAR / SHIP VIA
DART GFI-0299	0223680	PO12988	

QUANTITÉ / QUANTITY	N° DE PIÈCE / PART NO.	DESCRIPTION
---------------------	------------------------	-------------

100 D2438B

CLAMP CUT&FORMED

CERTIFICATE OF CONFORMANCE REQ

MFG. JOB# J0223680-001 QTY 100

DAT



2 Pcs FOR SHORT QTY.

Patricia Thériault
16-12-2010



EXPÉDITEUR / SHIPPER

N° DE BON DE LIVRAISON / SHIPPING MEMO NO.



REÇU PAR / RECEIVED BY

DATE

TOUTES LES RÉCLAMATIONS DOIVENT ÊTRE FAITES EN DEDANS DE 5 JOURS DE LA RÉCEPTION.
ALL CLAIMS MUST BE MADE WITHIN 5 DAYS OF RECEIPT OF GOODS.

CERTIFICATE OF COMPLIANCE
CERTIFICAT DE CONFORMITE



Membre de / A Member of **Thomas&Betts**

180 LABROSSE AVENUE
POINTE CLAIRE, QC
H9R 1A1

DART AEROSPACE LTD
1270 ABERDEEN ST.
HAWKESBURY, ON K6A 1K7

CERTIFICATE NO. 27 OUR JOB NO J0223680 SHIPPING MEMO 0451608


ITEM	QUANTITY	PURCHASE ORDER	PART NUMBER	REV	NAME	DWG ISSUE
<u>1</u>	<u>100 PCS</u>	<u>PO12988</u>	<u>D2438B</u>	<u>C</u>	<u>CLAMP</u>	<u>C</u>

MATERIAL S.S.T 304 SUPPLIED BY TW METALS / ALLEGHENY LUDLUM MAT. REL. NO. 976601

	PROCESS	PROCESSOR	RELEASE NOTE #
1	<u>FIRST ARTICLE INSPECTION REPORT ON FILE</u>	<u>GFI</u>	<u>N/A</u>
2	<u>REF. GFI MANUFACTURING JOB NUMBER J0223680-001 (100 PCS)</u>		
3			
4			
5			
6			
7			
8			
9			

WE HEREBY CERTIFY ALL THE PARTS COVERED BY THIS CERTIFICATE HAVE BEEN MANUFACTURED FROM MATERIAL SUPPLIED ON RELEASE NOTE SHOWN ABOVE AND THAT ALL PARTS HAVE BEEN INDIVIDUALLY INSPECTED AND CONFORM TO THE DRAWINGS AND PURCHASE ORDER REFERENCED ABOVE.

DATE 06 DECEMBER 2010

G.F.I. Q.C. REP. 



**DP12-001 REV 0 Bombardier Certificate of Compliance
TW Metals District Procedure**

Revision 0

Revision Date 04-03-00

Superseding Initial

Page 1 of 1

CERTIFICATE OF COMPLIANCE**FRAUD AND FALSIFICATION STATEMENT**

The recording of false, fictitious, or fraudulent statements or entries on this document may be punished as a felony under federal statutes including federal law Title 18 chapter 47

CERTIFICATE OF COMPLIANCE

This certificate of compliance certifies that the material supplied on the purchase order number below complies in all respects with the material description and procurement specifications

MERCURY FREE STATEMENT

We certify that mercury, radium, or alpha bearing instruments and / or equipment which might cause contamination have not been used in the manufacture, fabrication, assembly or testing of any material supplied by TW Metals Inc. Switches, glass thermometers, standard cell and other items containing the above elements may be used, but they will be located so as not to constitute a contamination hazard

CUSTOMER NAME

GFI

PURCHASE ORDER No

0077565

ITEM No

0001

SHIPPER INVOICE No

03269420

MATERIAL

304-S/S Sheet

SPECIFICATION

ASTM A240

MANUFACTURING MILL

ATI Allegheny Ludlum

SIZE

.0625 +/- .004"

HEAT / LOT No

976601

PART No

TS063481204A

QUANTITY

1EA

TEST DEPARTMENT CLERK

Amy Davis8/10/12/26**AUTHORITY**

Joe Schab

Director of Quality Assurance

NOTICE OF SHIPMENT/
PACKING LIST



CERTIFICATE OF TEST

AL 6168-3 908

CUST ORD NO & DATE: M49228512 03/30/10
 CUST CODE: 974093
 VANDERGRIFT, PA.
 SHIPPER NO: 456967
 PRODUCT CODE: 13020102060000
 MILL ORDER NUMBER: 30-030-692
 DATE SHIPPED: 05/24/10
 SOLD TO: TW METALS INC
 PO BOX 644
 EXTON PA 19341
 PRIME SEC.
 DSO DSO
 513
 SPECIALTY METALS PROCESSING
 837 SEASONS ROAD
 STOW OH 44224

GRADE AND SPECIFICATIONS
 ALLEGHENY STAINLESS STEEL TYPE 304 SHEET C R COILS ANNEALED 2B FIN 3 EDGE (AMS 5513J) (ASTM-A-666-03)
 (ASME-SA-240-07) (ASTM-A-240-09C) (CP49-7.4.2-005 REV 4) (1/07/09 EXCEPT TO CP49-7.4.2-005)

ITEM PCS DIMENSIONS W/G/L
 001B 1 48.7.0625/949.
 1 48.7.0625/914.
 C CUST IDENTITY 08280
 2 SKIDS
 HEAT # COIL # TEST # GROSS TARE NET THEO TAG #/ CD SKID #
 976601 04200N039A 8770863 9820 50 9770 707401
 976601 04200N039B 8770863 9390 50 9340 707400
 19210 100 19110

DIST: COPY ACK TO "SOLD TO" ADDRESS, ATTN: ROSEMARY SMITH

TYPE HEAT/TEST
 HEAT 976601
 TEST LOCATION
 YIELD TENSILE % ELONG
 PSI * PSI IN 2" % R/A
 T 46400. 95000. 56.
 TC TC TC
 * Y.S. BY 0.2% OFFSET METHOD
 MELT
 SOURCE
 1.
 CORROSION GRAIN
 A 262 PR E SIZE
 T PASS PASS NR
 TC TC
 HARDENABILITY
 NR

NR = DATA NOT REQUIRED
 GRADE VERIFICATION WAS CARRIED OUT SPECTROSCOPICALLY
 PAGE 01 - CONTINUED ON PAGE 02

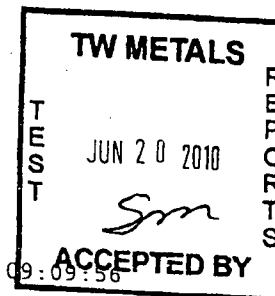
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Tracy McFarland
 Director, Corporate Quality Assurance



NOTICE OF SHIPMENT/
PACKING LIST



CERTIFICATE OF TEST

AL 6168-3 908

CUST ORD NO & DATE M49228512		CUST CODE 03/30/10 974093		SHIPPER NO 456967		PRODUCT CODE 13020102060000		MILL ORDER NUMBER 30-030-692		DATE SHIPPED 05/24/10	
FORMS DISTRIBUTION SOLD TO 1 SHIP TO SOLD TO TW METALS INC PO BOX 644 EXTON PA 19341		VANDERGRIFT, PA. REPEAT ORDER 95434-1 PRIME DSO 513		GOVT CONTRACT 1121 VANDERGRIFT SHIP TO SPECIALTY METALS PROCESSING 837 SEASONS ROAD STOW OH 44224		MATERIAL 1121 VANDERGRIFT SHIP TO SPECIALTY METALS PROCESSING 837 SEASONS ROAD STOW OH 44224		SHIPPING LOCATION PA		INVOICE 665812	

GRADE AND SPECIFICATIONS
ALLEGHENY STAINLESS STEEL TYPE 304 SHEET C R COILS ANNEALED 2B FIN 3 EDGE (AMS 5513J) (ASTM-A-666-03)
(ASME-SA-240-07) (ASTM-A-240-09C) (CP49-7.4.2-005 REV 4) (1/07/09 EXCEPT TO CP49-7.4.2-005)

ALLEGHENY LUDLUM DOES NOT USE MERCURY IN THE TESTING OR PRODUCTION OF ITS PRODUCTS. TO THE BEST OF
ALLEGHENY LUDLUMS KNOWLEDGE, UNDERSTANDING, AND BELIEF, THIS MATERIAL WAS NOT CONTAMINATED BY MERCURY
WHILE IT WAS BEING PRODUCED IN OUR FACILITIES.

EQUIPMENT, MATERIALS, TESTING AND SERVICES ARE OF U.S. ORIGIN.

NO WELDS/WELD REPAIRS PERFORMED.

THE NUMERIC CODES SHOWN UNDER MELT SOURCE CAN BE INTERPRETED AS FOLLOWS:

1. - MATERIAL MELTED, ROLLED AND TESTED IN THE UNITED STATES.
2. - FOREIGN MELT; ROLLED AND TESTED IN THE UNITED STATES.

THIS DIN EN 10204:2005 - 3.1 CERTIFICATE OF TEST SHALL NOT BE REPRODUCED EXCEPT IN FULL. FEDERAL LAW
PROHIBITS THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE
AND MAY BE PUNISHABLE AS A FELONY UNDER FEDERAL LAW. MATERIAL WAS MANUFACTURED IN ACCORDANCE WITH THE
ALC QUALITY MANUAL REVISION 18 DATED 08/05/2009. ALC HOLDS SEVERAL QUALITY CERTIFICATIONS THAT INCLUDE
ISO-9001 AND AS9100. TESTING WAS PERFORMED AT ALC NADCAP AND ISO/IEC 17025 APPROVED LABORATORIES
LOCATED AT THE NATRONA HEIGHTS, BRACKENRIDGE, LATROBE, AND MIDLAND, PA FACILITIES OR AT A NADCAP
AND ISO/IEC 17025 ACCREDITED COMMERCIAL LABORATORY.

DIN EN 10204:2005 - 3.1 CERTIFICATE DOES NOT INDICATE PED APPROVAL FOR THIS MATERIAL.

PAGE 02 - CONTINUED ON PAGE 03

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TW METALS		REPORTS
TEST	JUN 20 2010	
ACCEPTED BY		

NOTICE OF SHIPMENT/
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CERTIFICATE OF TEST

AL 6168-3 908

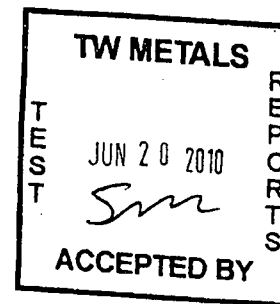
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TW METALS INC PO BOX 644 EXTON		PA 19341		PRIME SEC. DSO DSO 513		SHIP TO SPECIALTY METALS PROCESSING 837 SEASONS ROAD STOW					
										OH 44224	

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05/24/10 09:09:56

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Director, Corporate Quality Assurance